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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/062,279	01/30/2002	Norihiro Imai	OMRNP015	9864

22434 7590 10/06/2003

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EXAMINER

ANYASO, UCHENDU O

ART UNIT	PAPER NUMBER
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2675

DATE MAILED: 10/06/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/062,279	IMAI ET AL.	
	Examiner	Art Unit	
	Uchendu O Anyaso	2675	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 January 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. **Claims 1-12** are pending in this action.

Claim Rejections - 35 USC ' 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. **Claims 1-12** are rejected under 35 U.S.C. 102(b) as being anticipated by *Shimizu* (U.S. Patent 5,589,848).

Regarding **independent claims 1, 4, 7 and 10**, Shimizu teaches an electronic equipment that comprises a keyboard for entering data, a processor for processing the data entered by the keyboard, a display device for displaying processing result of the processor, an illumination lamp for illuminating a display screen, and a control circuit for turning off the illumination a predetermined time after the display of the processing result on the display device (*see* Abstract).

Furthermore, Shimizu teaches how to provide at least one display setting group including a message to be displayed by teaching how input information and process result of the CPU 1 are displayed on a liquid crystal display 5 (column 2, lines 6-8, figure 1 at 1, 5).

Also, Shimizu teaches how the electronic equipment would automatically turn off the backlight (column 1, lines 37-40) wherein a control circuit for turning off the illumination a

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predetermined time after the display of the processing result on the display device (*see* Abstract; column 4, lines 20-36, figures 8, 9).

Furthermore, Shimizu teaches how to specify a parameter in a display command addressed to the display device by teaching how input information and process result of the CPU 1 are displayed on a liquid crystal display 5 such that the display 5 has the illumination lamp 6 to illuminate a display screen wherein the illumination lamp 6 is **turned on and off** by a switching device 7 in accordance with a control signal from the CPU 1, which controls the turn-on and turn-off of the illumination lamp 6 (column 2, lines 6-12, figures 1-3 at 5-7. Also, Shimizu teaches a decoder which receives a 4-bit control signal from the CPU 1 which indicates the turn-on or turn-off of the illumination lamp, such that when the control signal is "ON", the decoder 7-1 holds a pulse "H", and when the control signal is "OFF", it holds a pulse "L" (column 2, lines 12-17, figures 1-3 at 7-1).

Regarding **claims 2, 5, 8 and 11**, in further discussion of claims 1, 4, 7 and 10, Shimizu teaches how to specify a parameter in a display command addressed to the display device by teaching how input information and process result of the CPU 1 are displayed on a liquid crystal display 5 such that the display 5 has the illumination lamp 6 to illuminate a display screen wherein the illumination lamp 6 is turned on and off by a switching device 7 in accordance with a control signal from the CPU 1, which controls the turn-on and turn-off of the illumination lamp 6 (column 2, lines 6-12, figures 1-3 at 5-7. Also, Shimizu teaches a decoder which receives a 4-bit control signal from the CPU 1 which indicates the turn-on or turn-off of the illumination lamp, such that when the control signal is "ON", the decoder 7-1 holds a pulse "H",

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and when the control signal is "OFF", it holds a pulse "L" (column 2, lines 12-17, figures 1-3 at 7-1).

Regarding **claims 3, 6, 9 and 12**, in further discussion of claims 1, 4, 7 and 10, Shimizu teaches how the control command causes the backlight to be switched on then switched off after a specified time length has elapsed (*see* figures 3, 8, 9 for the sequences for switching the backlight on and off).

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent 6,452,582 to *Rolston* for a method and apparatus for refreshing a liquid crystal display.

U.S. Patent 5,019,808 to *Prince et al* for a full color liquid crystal display.

U.S. Patent 5,933,089 to *Katada* for a pager with message display function.

U.S. Patent 4,958,915 to *Okada et al* for a liquid crystal apparatus having light quantity of the backlight in synchronism with writing signals.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Uchendu O. Anyaso whose telephone number is (703) 306-5934.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steve Saras, can be reached at (703) 305-9720.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

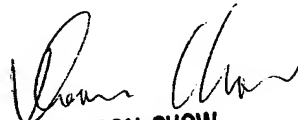
(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist). Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.



Uchendu O. Anyaso

09/30/2003



DENNIS-DOON CHOW
PRIMARY EXAMINER